

PATENT ABSTRACTS OF JAPAN

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4) BATTERY SEPARATOR

7)Abstract:

PURPOSE: To provide a separator having high electrolytic liquid absorbing or desorbing speed and good electrode insulating properties.

CONSTITUTION: A battery separator is prepared from unwoven cloth composed of polyolefine-type porous fibers having fine pores and prepared by mixing paraffin wax with fiber main bodies made of polyolefine-type resin and the polyolefine-type resin while melting them, melting and spinning the resulting mixture at prescribed draft ratio, extruding the mixture, and removing the paraffin wax from the obtained fibers after thermal treatment. The specific surface area of the fiber main bodies is 20m²/g or more and the ratio of the fine pores to the fiber main bodies is 20% or more and the fineness of the fiber main bodies is set to be 50 denier or less.

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